Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 12 Sep 2023 until 23:59 on Wednesday 13 Sep 2023

Forecast Issued on Tuesday 12 Sep 2023 at 01:07

Confidence: High for a transition from the recent warm and humid weather to more changeable and cooler conditions. Low confidence in the clearance time of heavy rain and cloud Tuesday. Low confidence in cloud and precipitation details from Thursday.

Headline for Tuesday 12 Sep 2023: Rather wet with outbreaks of heavy rain turning more showery from late morning before gradually clearing to brighter spells later today.

Mountain weather hazards on Tuesday 12 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** High Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Sunny intervals	Partly cloudy (night)
Precipitation probability					
90%	90%	70%	50%	20%	10%

Forecast for Tuesday 12 Sep 2023

Weather: Overnight rain will persist across the Peaks through the morning, with heavy bursts at times. Rain turning increasingly showery into the afternoon. This feature largely clearing away to the east by mid-afternoon with drier, and fresher conditions and some sunny spells gradually becoming established. Showery rain and drizzle may linger towards Chesterfield until the evening however, with the best of the brightness in the northwest.

Chance of cloud-free hill tops above 600m: 20%, slowly increasing from the northwest to 80% by late-afternoon.

Low cloud and visibility: Extensive low cloud with bases around 300-400m, perhaps covering lower slopes in the west and where rain persists. Bases will gradually lift towards 600m by late-morning before lifting above the hills and breaking up as rain turns more showery. Skies clearing during the evening although there remains low confidence in timings. Visibility will be poor in rain, very poor in heavier downpours and any drizzly bursts. Visibility improving to very good as cloud and rain clears.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Tuesday 12 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/18 NE	17/23 NE	17/24 NE	18/26 NE	17/25 NE	15/23 NE	12/21 NE
300	10/17 NE	14/22 NE	12/20 NE	15/25 NE	14/25 NE	12/23 NE	9/18 NE
Valley	12/25 NE	12/26 NE	10/21 NE	15/29 NE	14/27 NE	12/26 NE	10/23 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/9	11/8	11/8	10/7	9/6	8/5	8/4
300	14/12	13/11	13/11	13/10	12/9	11/9	10/8
Valley	14/12	14/12	14/12	14/11	12/10	12/9	10/8
Freezing Level*	3000m	2900m	2800m	2600m	2300m	2000m	1700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A rather wet day with low cloud making for challenging navigation at times. Heavy rain may lead to some watercourses becoming swollen and surfaces slippery underfoot. Note low confidence in cloud details.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 12 Sep 2023	0mm	0mm	4mm

Forecast for Wednesday 13 Sep 2023

Weather: A chilly start in places, with isolated patches of mist and fog forming in valleys during the early hours. This clearing to leave a widely sunny and dry day. Cloud thickening from the west turning late-afternoon sunshine increasingly hazy. Risk of a few patches of drizzle on western slopes around midnight. Fresher than of late, feeling cool at height.

Maximum wind: East or northeast 15-20mph, turning south 15-20mph later.

Chance of cloud-free hill tops above 600m: 90%

Low cloud and visibility: Scraps of cloud may briefly linger around summits as any fog or mist lifts and clears. Bases of fair weather cloud forming above all but the highest tops, soon rising above. Cloud is expected to thicken and lower during the evening to around 800m, before lowering further overnight. Visibility briefly very poor in any early mist and fog, and again in any late drizzle. Otherwise visibility will be good or very good with excellent clarity of distant hills.

Temperature: **Valleys:** Plus 8 Celsius becoming plus 16 Celsius.
At 600m: Plus 7 Celsius becoming plus 13 Celsius.
Freezing level: Above the summits.

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